

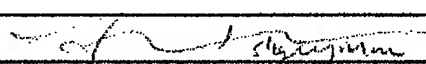
PTO/SB/21 (04-07)

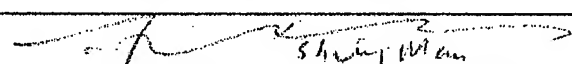
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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/688,269	
	Filing Date	10-20-2003	
	First Named Inventor	MAA, SHALONG	
	Art Unit	2174	
	Examiner Name	BELOUSOV, ANDREY	
Total Number of Pages in This Submission	7	Attorney Docket Number	

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Printed name	MAA, SHALONG	
Date	27 Sept 2007	Reg. No. 49,006

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I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:	
Signature	
Typed or printed name	MAA, SHALONG
Date	27 Sept 2007

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PTOL-413A (07-07)
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Applicant Initiated Interview Request Form

Application No.: 10/688,269 First Named Applicant: MAA. SHALONG
Examiner: BELOUSOV Art Unit: 2174 Status of Application: Pending

Tentative Participants:

(1) Shalony Maa, (Applicant) (2) Andrey Belousov, (Examiner)
(3) Kristine Kincaid, (SPE) (4) _____Proposed Date of Interview: Next week (Oct 4) Proposed Time: 9:00 (AM/PM)

Type of Interview Requested:

(1) ☒ Telephonic (2) ☐ Personal (3) ☐ Video ConferenceExhibit To Be Shown or Demonstrated: ☐ YES ☒ NO

If yes, provide brief description: _____

Issues To Be Discussed

Issues (Rej., Obj., etc)	Claims/ Fig. #s	Prior	Discussed	Agreed	Not Agreed
(1) <u>Rej.</u>	<u>61, 82, 88</u>	<u>Art DELEEUW</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(2) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(3) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(4) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Continuation Sheet Attached					

Brief Description of Arguments to be Presented:

① Summary of claimed invention; ② Summary of DELEEUW; ③ Difference in Application program — keyword Analysis; ④ Difference in Data type — Process Analysis. ⑤ Transparent window → See Attached Papers

An interview was conducted on the above-identified application on _____

NOTE: This form should be completed by applicant and submitted to the examiner in advance of the interview (see MPEP § 713.01).

This application will not be delayed from issue because of applicant's failure to submit a written record of this interview. Therefore, applicant is advised to file a statement of the substance of this interview (37 CFR 1.133(b)) as soon as possible.

Applicant/Applicant's Representative Signature

Examiner/SPE Signature

Typed/Printed Name of Applicant or Representative

Registration Number, if applicable

This collection of information is required by 37 CFR 1.133. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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§ 1. SUMMARY OF INVENTION OF CLAIMS 61/82

- (a) a multi-purpose computer system (30),
- (b) includes a DEFAULT DESKTOP DISPLAY (912); FIG. 4;
- (c) a LIVE COMPONENT (95C, 94D, 981) is regularly situated on the default desktop display; FIG. 4; Prgrph. [0034], [0035];
- (d) the live component includes LIVE INFORMATION (95C', 94D, 98X, 98Y, 98Z) received from a REMOTE COMPUTER (300); FIG. 4; [0034], [0035].

§ 2. SUMMARY OF DELEEUEW

- (a) a computer system (100);
- (b) employing real-time video (500, 501) as user input means for a user to interact with the operating system / application programs displayed simultaneously with the video;
- (c) two layers of display (10, 18); the video layer (18) being transparent layer; (FIG. 2);
- (d) The video data may be transmitted to the computer system from a video camera (501) coupled thereto or from other video sources;
- (e) The user-interaction using video input realized by analyzing video data signals to detect an object (such as a human hand/finger) in the video scene and to detect the overlapping of such an object with other interactive elements simultaneously displayed.
- (f) See, e.g., DELEEUEW 1:23-26; 1:29-52; 3:14-19; FIGS. 3, 10.

§ 3. SIMILARLY BETWEEN DELEEUEW AND CLAIMS 61/82

- live (or real-time) information received from an external source is regularly displayed.

§ 4. SUMMARY OF DIFFERENCES BETWEEN DELEEUW AND CLAIMS 61/82

(I) DATA TYPE:

- (a) **Claimed Invention**: live information received from the remote computer includes TEXTUAL DATA ((i) 95C', 94D in FIG. 4, [0034], [0035]; (ii) "HTML document" in [0014]) that pertain to textual description of a live event;
- (b) **DELEEUW**: live information received from an external source comprises only VIDEO DATA (500) that represents direct reflection or imaging of a live/physical scene captured by a camera (501);
- (c) **Error in Rejection** (Pages 3-5 of the Final Office Action): DELEEUW FIG. 2:22 equivalent to TEXTUAL DATA of live information.

(II) APPLICATION PROGRAM:

- (a) **Claimed Invention**: LIVE-INFORMATION-DISPLAY COMPONENT (e.g., "web-browser based operation system" in [0023]) is provided for displaying the TEXTUAL DATA of the LIVE INFORMATION received from the remote computer;
- (b) **DELEEUW**: The application programs (i.e., 502/510 and 502/802) are ONLY provided for receiving, displaying, or handling VIDEO data (500);
- (c) **Error in Rejection** (Page 5 of the Final Office Action): DELEEUW ref. no. 502/510 equivalent to LIVE-INFORMATION-DISPLAY COMPONENT provided for displaying/processing textual data received from the remote computer.

§ 5. APPLICATION PROGRAMS – KEYWORDS ANALYSIS

I. APPLICATION PROGRAM 502/510

- (a) DELEEUW FIG. 10; 11:34-37 – the data input of the application program 502 is the video data 500 (which are the only data received from any external source);
- (b) DELEEUW 12:18-25 (application program (502)): keywords – "video data stream" and "multimedia data stream";
- (c) DELEEUW 12:60-65 (the "filter graph manager" (504)): keywords (languages of) – "starting, pausing, or stopping the multimedia data stream";
- (d) DELEEUW 13:13-17: keywords – "video data" (500) and "streaming";

- (e) DELEEUEW 13:32-38 (the “video capture filter” (520) and the “tee filter” (522)): *keywords* – “data stream”, “frames of video data”, and that the function of the filter 520 is to “captures individual frames of video data signals received ...”[*emphasis added*];
- (f) DELEEUEW 13:38-46 (the two “color space converters” (524 and 526)): *keywords* – “pixel format” and “video data signals”;
- (g) DELEEUEW 13:61-65 (the “color analyzer filter” (530)): *keywords* – “pixel” and “data streams”;
- (h) DELEEUEW 14:1-4 (the “blob detector filter” (532)): *keywords* – “pixel”, “data stream”, and “blocks of pixels”.

II. APPLICATION PROGRAM 502/802

- (a) Most of the sub-components (or “filters”) within the filter graph 802 (*i.e.*, the filters 520, 522, 524, 526, 528, 530, and 532) are substantially the same as that of the filter graph 510. DELEEUEW 18:6-9; FIGS. 11 and 17;
 - (b) (compared with the filter graph 510) Filter graph 802 has an additional filter, *i.e.*, the TCMF 800 (DELEEUEW 17:56-58; FIG. 17) for communicating with (i) “blob detector” 532 and filter 524 within the filter graph 802, and with (ii) a “controlling application” 804 outside the filter graph 802; (DELEEUEW 17:61-64; 18:9-10; FIG. 17).
 - (c) Example of controlling application 804 – slide show presentation software “Power Point” from Microsoft (MS) (DELEEUEW 18:47-51), which was (at the time of DELEEUEW’s filing date of February 1999) NOT a network-related application.
- **Inherency:** the controlling application 804 (i) is a local application program; (ii) is executed by the local computer; and (iii) does not have any network communication functionality (such as receiving data from a remote computer).

- III. Therefore, the filter graphs 802 and 510, both provided as a sub-component of the application program 502 of FIG. 10, have the same type of input data (*i.e.*, **video data 500**) that are to be received from any **external source**. DELEEUEW 17:58-61; FIGS. 10, 11, and 17.

§ 6. DATA TYPE

I. Ref. no. 22, A Term of Finance Report

In DELEEUW, ref. no. 22 is taught as "Stock Ticker" (DELEEUW 5:56-59; FIG. 2), a term in the field of finance report, not related to data type. Thus, no express or inherent teachings of text data being received from a remote computer.

II. PROCESS ANALYSIS

(NOTE: Technical concepts of FIGS 4-9 are applied in FIGS. 15-16, the detailed process of ref. no. 528 of FIG. 11 (critical elements: ref. nos. 18 & 528));

- (a) ref. no. 22 in FIG. 2 is a portion of a "Transparent Graphics Frame Buffer" 18 (the "Buffer 18"). DELEEUW FIG. 2; 5:47-59;
- (b) The application programs 502/510 and 502/802 in DELEEUW are provided for processing video data *only*;
- (c) In DELEEUW 7:58-9:59 and 9:59-11:31, a technical concept of double buffering or multi-frame buffering technique is described in association with the Buffer 18 and with FIGS. 2-9 (especially FIGS. 2, 5 and 8); the Buffer 18, which contains ref. no. 22, is expressly included in the process associated with FIGS. 2 and 5;
- (d) ref. no. 528, "Video Renderer with Transparency", of FIG. 11 is the element in the application programs 502/510 that implements the foregoing "double buffering" or "multiple frame buffers" technique described in association with FIGS. 4-9 (especially FIG. 5). See DELEEUW 13:48-51; FIG. 11;
- (e) the actual process of ref. no. 528, "Video Renderer with Transparency", of FIG. 11 is described in detail through the description of FIGS. 15-16. See DELEEUW 16:44-17:50; 16:44-47; FIGS. 15-16; (*i.e., the technical concept described in association with FIGS. 4-9 (especially FIG. 5) is applied in the process of FIGS. 15-16*).
- (f) At step 704 of FIG. 15 process (the detailed illustration of ref. no. 528 of FIG. 11), the Buffer 18, is created; DELEEUW 16:50-55; FIG. 15;
- (g) The Buffer 18 is destroyed at step 718 of FIG. 15; DELEEUW 17:2-4; FIG. 15.

CONCLUSION: Since the Buffer 18 is created at step 704 of the process of FIG. 15, which is a sub-process or a filter (528) of the application program 502/510 (FIG. 11), which is a **video-data** processing application, the Buffer 18 must be created for storing video data. Since the ref. no. 22, referred to as "stock ticker" in DELEEUW, is a portion of the Buffer 18, then ref. no. 22 must also be video data.

7. CLAIM 88 – (TRANSPARENT WINDOW)

- (a) Page 7 of the Final Office Action: in DELEEUEW 5:65-6:20; FIG. 2, the ref. no. 22 is equivalent to "TRANSPARENT WINDOW"
- (b) Unlike conventional window, the two transparent areas 20 and 22 in FIG. 2 cannot be individually closed or minimized by a user, because these two items, as well as the entire transparent layer, are all stored on a single block of memory space, *i.e.*, the Buffer 18. DELEEUEW 5:48-60.
- (c) DELEEUEW does NOT teach that the application program 502 receives data input from two separate data sources at the same time (such as from two video camera, or one from a text data source and another from a camera); See DELEEUEW FIGS. 10-11; 11:32-14:29.
- (d) the transparent layer 18 and the related data are processed and rendered by the application program 502/510; The Buffer 18 (*i.e.*, the transparent layer) is closed at step 718 of FIG. 15, where the Buffer 18/ transparent layer is destroyed when "there are no more video frames to process" (*i.e.*, when the video camera is turned off or removed from the computer system). DELEEUEW 17:2-4; FIG. 15.
- (e) THEREFORE, (i) the transparent areas 20 and 22 cannot be individually closed, (ii) the entire transparent layer (Buffer) 18 cannot be closed by the user through a USER-INPUT device either;

Instead, in DELEEUEW, the Buffer 18 is "destroyed" only when the video camera is turned off or disconnected from the computer system.

(w = 1.421; 7,353